

ABSTRACT OF THE DISCLSOUR

5 A wireless communication handset and system having improved
antenna performance. The system includes a handset body (300) and multiple
housing portions with different antenna loading characteristics, for example
different materials or shapes, interchangeably mounted on a common portion of
the handset body. The handset body (300) includes electrical communications
circuitry coupled to an antenna (314), which is adjacent the interchangeable
10 housing portions. A discrete or integrally formed antenna loading feature
compensates for the different antenna loading characteristics of the different
housing portions to provide optimal antenna performance regardless of the
housing portions mounted on the handset body.